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Product datasheet for SC320286

SLC12A4 (NM_005072) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC12A4 (NM_005072) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC12A4
Synonyms:	CTC-479C5.17; hKCC1; KCC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for NM_005072.3
GGCGGGGACAGCGGCGGGGACAGCGGCGGGCGGCTGGGACGGCGGGTGCGGCGGGGCCGA
GCCCGCACGATGCCTCACTTCACCGTGGTGCCAGTGGACGGGCCGAGGCGCGGCGACTAT
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GACGGACATGGCAACCACAGAGAGAGCAGCCCTTTTCTTTCCCCCTTGGAGGCTTCCAGA
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ACACTGGCCTGGCCTTCACCCTGGGTCATCGTCATCGGCTCCTTCTTTTCAACGTGTGGC
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ATCATCCCCTTCCTCCGGGTGTTTGGCCACGGGAAGGTGAATGGTGAACCCACATGGGCA
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GAATGGAGACAGCTGAGCTGAGGCCTGACTTTTTCAATAAAACATTGTGTAGTTCTGGGC
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_005072

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_005072.3, NP_005063.1
RefSeq Size:	3884 bp
RefSeq ORF:	3258 bp
Locus ID:	6560
UniProt ID:	Q9UP95
Cytogenetics:	16q22.1
Domains:	KCl_Cotrans_1
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the SLC12A transporter family. The encoded protein mediates the coupled movement of potassium and chloride ions across the plasma membrane. This gene is expressed ubiquitously. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jan 2013] Transcript Variant: This variant (1) represents the longest transcript and encodes isoform a.